

ABSTRACT

Wireless communication apparatus capable of increasing transmission efficiency by selecting data for scheduling according to data type, and capable of achieving low power consumption and high-speed signal processing is disclosed. With this apparatus, a control section (108) allocates transmission data sequence 1 to subcarriers of superior quality by carrying out scheduling for the transmission data sequence 1 based on CQI sent from communication terminal apparatus and required transmission rate information for each communication terminal apparatus, and allocates transmission data sequence 2 to preassigned subcarriers. Channel allocation section (115) allocates data for transmission data sequence 1 to subcarriers designated by control section (108). Channel allocation section (116) allocates data for transmission data sequence 2 to subcarriers designated by control section (108).